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(54) **Preparation of cumene through alkylation of an aromatic compound and preparation of phenol through cumene.**

(57) In a first form, a process is provided for preparing phenol by converting acetone by-produced by the cumene process into isopropanol, and alkylating benzene with the isopropanol and optional propylene, thereby forming phenol without acetone by-product. And cumene is prepared by alkylating benzene in the presence of a zeolite catalyst using isopropanol or a mixture of isopropanol and propylene as an alkylating agent. Further provided is the continuous alkylation of benzene with isopropanol wherein a reaction mixture is divided into first and second portions, with the first portion being recycled to the reactor and the second portion being taken out as a reaction product.

EP 0 371 738 A3



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EUROPEAN SEARCH REPORT

Application Number

EP 89 31 2304

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
E	EP-A-0 361 755 (MITSUI) * The whole document *	1-3,7,10	C 07 C 37/08 C 07 C 2/86 C 07 C 409/10
D,X	US-A-4 011 278 (PLANK et al.) * Claim 1; columns 15-16, example 22 *	1,4,6	C 07 C 45/53 C 07 C 29/145
X	US-A-3 631 120 (EBERLY et al.) * Claims 1-5; column 3, lines 49-60; column 6, lines 1-13 *	2-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 07 C 37/00 C 07 C 39/00 C 07 C 2/00 C 07 C 15/00 C 07 C 179/00
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		05 August 91	KLAG M.J.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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